



COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION
109 Governor Street, Room 614-B
Richmond, VA 23219

Ph: 804-864-7487
Fax: 804-864-7481

CHESAPEAKE BAY: ELLIOTS CREEK TO CAPE CHARLES POINT **Northampton County** **Shoreline Sanitary Survey #091**

Date: July 26, 2005
Survey Period: April 8 – June 29, 2005
Total Number of Properties Surveyed: 330
Surveyed By: R. S. Bisker

SECTION A – GENERAL

The survey area extends from Reference Point 91 at the end of Route 1901 (extended) to Reference Point 92 at the center of the Chesapeake Bay Bridge Tunnel at Wise Point, including the Chesapeake Bay shoreline between these two points, Pond Drain, Devils Ditch, and all of their tributaries. See map for current survey boundary.

Elevations in the area rise sharply from the shoreline beaches to 25'-50' before leveling off at approximately 30'-40' throughout the survey area. The economy is based primarily on agriculture, seafood, and tourism. Population is sparse, except for the small community of Cheapside.

Meteorological data indicated that 0.85" of rain fell April 8-30, 4.62" in May, and 6.71" June 1-29 for a total rainfall of 12.18" during the survey period.

Currently there are no restrictions on harvesting of shellfish in this area.

Information in this report is gathered by and primarily for use of the Division of Shellfish Sanitation, Virginia Department of Health, in order to fulfill its responsibilities of shellfish growing area supervision and classification. Data in the report is also made available to local health departments and other agencies to address items that may be out of compliance with their regulatory programs.

This report lists only those properties which have a sanitary deficiency or have other environmental significance. "Direct" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond Office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent survey of the area.

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

2. Best Western Sunset Beach Resort, 32246 Lankford Highway, Cape Charles 23310. Business- 81 room motel with 54 RV camper hookup sites and restaurant seating for 120. Permit #VPA01058. Facility consists of a Yeoman's activated sludge package plant with a bar screen and comminutor, aeration tank, chlorine contact tank, a berm enclosed lined

free water surface wetland, and a berm enclosed unlined terminal wetland. There is no designed discharge as all treated water infiltrates the soil at the terminal wetland. This treatment plant has a design capacity of 20,000 gpd. See the Engineering Appendix for the most recent inspection report of this facility.

ON-SITE SEWAGE DEFICIENCIES

3. **CONTRIBUTES POLLUTION** - Best Western Sunset Beach Resort, 32246 Lankford Highway, Cape Charles 23310. Business- empty RV camper hookup site #13. No contact. No cap on camper sewage hookup pipe. Sanitary Notice issued on 6-24-5 to field #280.

POTENTIAL POLLUTION

-None-

SECTION C: NONSEWAGE WASTE SITE

INDUSTRIAL WASTES

4. **DIRECT** – Chesapeake Bay Bridge Tunnel Corp., PO Box 111, Cape Charles 23319. Business - equipment maintenance shop. 20 plus employees. Washdown from garage discharge through pipe into ditch which drains to Chesapeake Bay. There is a VPDES #VA0006203 for discharges from the two tunnels but it does not include this discharge.

SOLID WASTE DUMPSITE

-None-

SECTION D: BOATING ACTIVITY

MARINAS

- None-

OTHER PLACES WHERE BOATS ARE MOORED

-None-

UNDER SURVEILANCE

1. Kiptopeke State Park, 3450 Kiptopeke Drive, Cape Charles 23310. Public- boat ramp and fishing pier. 0 slips/moorings. There were several boat trailers in parking lot at time of survey. The only boating service provided is a boat ramp. Sanitary facilities provided are 1 toilet, 1, urinal, 1 lavatory, and 1 privy for men, and 1 toilet, 1 lavatory, and 1 privy for women. Sewage disposal is by septic tank with drainfield, which appeared to be working at time of inspection. There are no boat holding tank pump-out facilities provided at this location.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

-None-

SUMMARY

Area # 91

Chesapeake Bay: Elliotts Creek to Cape Charles Point

July 26, 2005

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

0 - DIRECT -

1 - INDIRECT - #2

1 - B. 1. TOTAL

2. ON-SITE SEWAGE DEFICIENCIES

Correction of deficiencies in this section is the responsibility of the local health department.

0 - CONTRIBUTES POLLUTION, DIRECT - None

1 - CONTRIBUTES POLLUTION, INDIRECT - #3

0 - CP (Kitchen or Laundry Wastes), DIRECT - None

0 - CP (Kitchen or Laundry Wastes), INDIRECT - None

0 - NO FACILITIES, DIRECT - None

0 - NO FACILITIES, INDIRECT - None

1 - B. 2. TOTAL

3. POTENTIAL POLLUTION -

Periodic surveillance of these properties will be maintained to determine any status change.

0 - POTENTIAL POLLUTION - None

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

1 - DIRECT - #4

0 - INDIRECT - None

1 - C. 1. TOTAL

2. SOLID WASTE DUMPSITES

0 - DIRECT - None

0 - INDIRECT - None

0 - C. 2. TOTAL

SECTION D: BOATING ACTIVITY

0 - MARINAS - None

0 - OTHER PLACES WHERE BOATS ARE MOORED - None

1 - UNDER SURVEILLANCE - #1

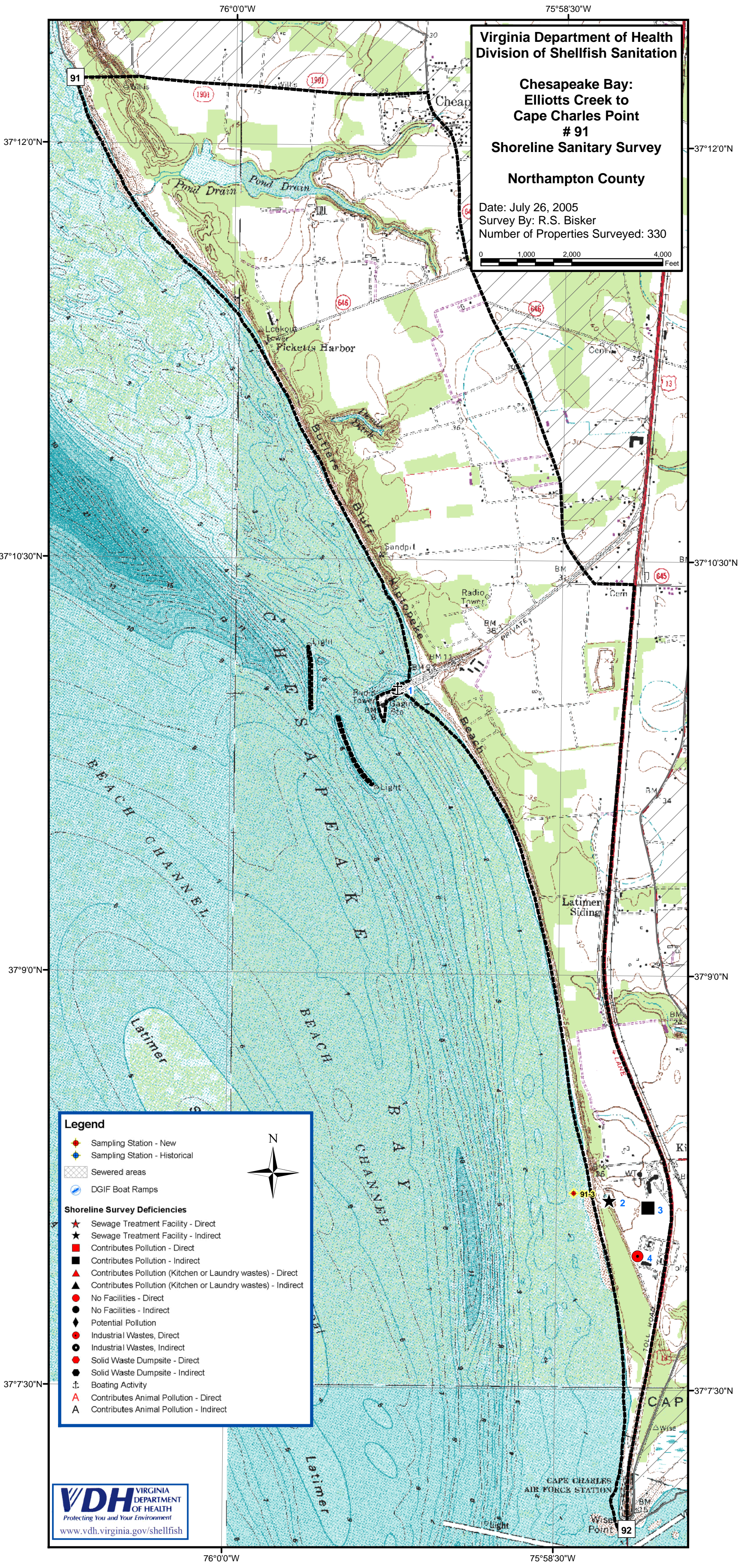
1 - D TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

0 - DIRECT - None

0 - INDIRECT - None

0 - E TOTAL



Virginia Department of Health
Division of Shellfish Sanitation

Chesapeake Bay:
Elliotts Creek to
Cape Charles Point
91
Shoreline Sanitary Survey
Northampton County

Date: July 26, 2005
Survey By: R.S. Bisker
Number of Properties Surveyed: 330

0 1,000 2,000 4,000
Feet

Legend

- Sampling Station - New
- Sampling Station - Historical
- Sewered areas
- DGIF Boat Ramps
- Shoreline Survey Deficiencies**
 - Sewage Treatment Facility - Direct
 - Sewage Treatment Facility - Indirect
 - Contributes Pollution - Direct
 - Contributes Pollution - Indirect
 - Contributes Pollution (Kitchen or Laundry wastes) - Direct
 - Contributes Pollution (Kitchen or Laundry wastes) - Indirect
 - No Facilities - Direct
 - No Facilities - Indirect
 - Potential Pollution
 - Industrial Wastes, Direct
 - Industrial Wastes, Indirect
 - Solid Waste Dumpsite - Direct
 - Solid Waste Dumpsite - Indirect
 - Boating Activity
 - Contributes Animal Pollution - Direct
 - Contributes Animal Pollution - Indirect